

# PATENT ABSTRACTS OF JAPAN

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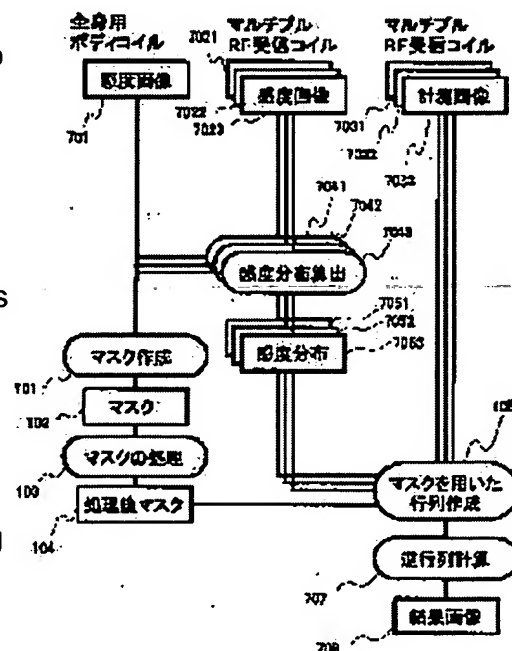
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## (54) MAGNETIC RESONANCE IMAGING APPARATUS

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To obtain an image with no luminous point artifact in a high speed photographing method (a parallel imaging method) in which in a region where high speed photographing on the heart, etc., is required, a signal obtained by using especially, a plurality of receiving coils and by thinning phase encodes in each receiving coil is developed by using sensitivity distribution of the receiving coil by means of matrix operation in relation to an MRI apparatus.

**SOLUTION:** A mask for dividing a back ground (a low signal) region and a subject region of the image by using a sensitivity image on the whole test region is prepared and based on this mask, an operation for turning removal is performed.



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